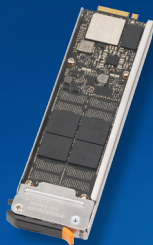




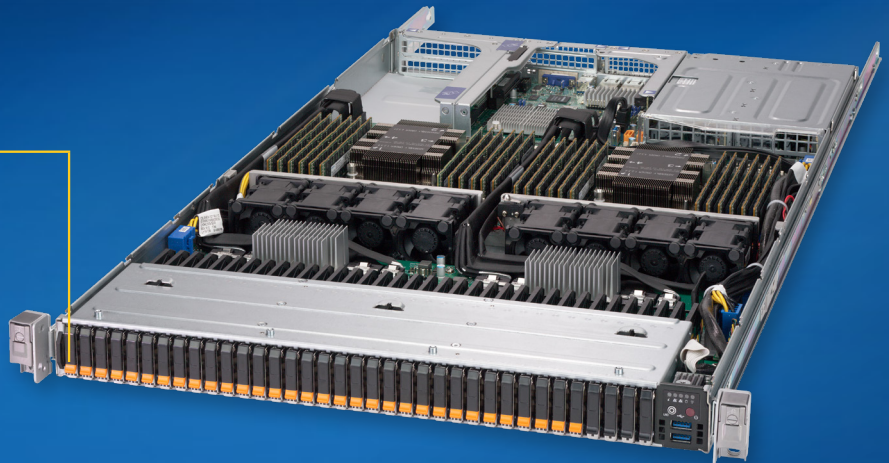
Next Generation All-Flash Leader

1U 2-Socket SuperStorage Supporting 32x 16TB of Samsung NF1 SSDs

Support up to · Dual Intel® Xeon® Scalable processors · 3TB DDR4 memory in 24 DIMMs · 32 NF1 SSDs
· Dual onboard 10Gbase-T · 3 PCI-E 3.0 slots · Redundant Titanium Level (96%) power supplies



1 of 32 Hot-swap Samsung NF1 SSDs



SSG-1029P-NMR36L

KEY FEATURES AND BENEFITS OF SAMSUNG NF1 SSD

- Easy to access and service with a front loading design
- PCI-E 3.0 interface for up to 4 lanes
- Compliant with NVMe 1.2 specifications
- Hot-swappable and Power Loss Protection
- 30.5 x 110mm, 4.38mm height
- Available in 4-16TB capacities per drive



Samsung NF1 SSD

Price / Performance

Streamlining enterprise flash storage
to its core values



SAMSUNG
NF1 SSD

activated

INTRODUCING THE NEXT GENERATION

Supermicro's latest storage server platform supporting the Next Generation Small Form Factor (NF1) media offers a new approach to enterprise all-flash storage applications, by providing all of the benefits of cost optimized M.2 flash drives with an increase in capacity and density and adding the hot-swap capabilities required for enterprise-class applications.

X11 SERVER PERFORMANCE

The SSG-1029P-NMR36L server system has the compute power to deliver time-to-value benefit to any application. Featuring dual CPU sockets with 24 DIMM slots, and dual PCI-E 3.0 x16 slots, the server offers flexible I/O capabilities, including the options for dual 100Gb Ethernet, EDR InfiniBand or Intel® Omni-Path Architecture NICs.

MAXIMUM STORAGE DENSITY

Not only does NF1 flash media offer exceptional NVMe performance but the incredibly thin NF1 modules enable ultra-dense installations allowing for much greater storage density compared to existing 2.5" and 3.5" storage media.



SuperStorage

1U 2-Socket SuperStorage Supporting 32 x 16TB of Samsung NF1 Drives



Front View



Rear View

SSG-1029P-NMR36L

Key Applications	<ul style="list-style-type: none">• IOPS Intensive Storage Applications• Database Applications (MySQL, Casandra)• Hyperconverged Infrastructure / Scale-out Architectures
Outstanding Features	<ul style="list-style-type: none">• Up to 32 NF1 devices per system• Up to 3TB of DDR4 memory (24 DIMM slots)• Redundant power supplies
Processor Support	Dual Intel® Xeon® Scalable processors with 3 UPIs up to 10.4GT/s
Chipset	Intel® C620 series
Memory Support	24 DIMM slots for up to 3TB ECC 3DS LRDIMM, 768GB ECC RDIMM DDR4-2666
Expansion	2 PCI-E 3.0 x16 and 1 PCI-E 3.0 x4 slots
Drive Bays	<ul style="list-style-type: none">• 32 hot-swap PCI-E NF1 drive bays• 4 M.2 SATA3 drive bays
Connectivity	2x 10Gbase-T ports
Management	Dedicated IPMI 2.0 and KVM with dedicated LAN port, SuperDoctor® 5, Watchdog
Power Supply	Redundant Titanium Level high-efficiency power supplies with I2C & PMBus™
Form Factor	1U Rackmount

* Please check with your Supermicro sales representative and website for compatibility and configuration details.

